

**REMARKS**

The above amendment to the specification was made to correct minor informalities in the as-filed application. The text added at page 1, paragraph 1, lines 10-11 was not available when the present application was filed. The text added at page 6, paragraphs 3-4, lines 4-17 has been copied from copending application Serial Number 09/727,491, entitled "Automatic Multi-Stage Rich-Media Content Creation Using A Framework- Systems, Methods and Program Products", filed December 4, 1999 (SOM9-2000-009/1963-7398). No new matter has been added. In compliance with 37 C.F.R. § 1.121, Attachment A is attached hereto.

**ADDITIONAL FEES**

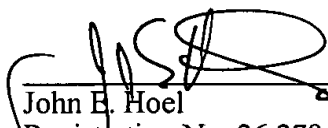
The Commissioner is hereby authorized to charge any additional fees which may be required for this amendment, or credit any overpayment to IBM Corporation Deposit Account No. 09-0459. Order No. SOM920000010US1/1963-7399.

Respectfully submitted,

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**IN THE UNITED STATES PATENT & TRADEMARK OFFICE**

In re Application of: :

Applicants: Hua CHEN et al. : Group Art Unit: Unassigned

Serial No.: 09/727,524 : Examiner: Unassigned

Filed: December 4, 2000 :

For: AN XML-BASED TEXTUAL SPECIFICATION FOR RICH-MEDIA  
CONTENT CREATION - SYSTEMS, METHODS AND PROGRAM  
PRODUCTS

**ATTACHMENT A**

**BOX MISSING PARTS**  
Commissioner of Patents  
Washington, D.C. 20231

Sir:

**IN THE SPECIFICATION:**

Page 1, paragraph 1, lines 10-11 have been AMENDED as follows:

Serial No. 09/727,491 entitled “ Automatic Multi-Stage Rich-Media Content Creation  
Using a Framework - Systems, Methods and Program Products”, filed December 4, 1999,  
(SOM9-2000-0009/1963-7398), assigned to the same assignee as that of the present invention  
and fully incorporated herein by reference.

Page 4, paragraph 2, lines 3-5, have been AMENDED its entirety as follows:

[Fig. 3 is a representation of a server based authoring tool for generating an MVR file  
from an XML text edited specification or graphic edited binary format using the principles of the  
present invention] Fig. 3 is a representation of the network-based server in the system of Fig. 1.

Page 6, paragraphs 3-4, lines 4-17, have been AMENDED in its entirety as follows:

[In Fig. 3, the server 14, typically an IBM Apache web server, includes an operating system 16, typically Windows NT, a textual specification program 18, typically XML and an authoring, typically a *HotMedia* batch processing program 19 for combining the stored Rich Media assets in accordance with an XML based textual specification. In preparing a textual description of the Rich Media assets as an application, XML makes use of tags and attributes in composing a document. Unlike Hyper Text Markup Language (HTML) which specifies what each tag and attribute means (and often how the text between them will look in a browser), XML uses the tags only to delimit pieces of data and leaves the interpretation of the data completely to the application which reads it] In Fig. 3, the server 16, typically an IBM Apache web server, is linked through a network 19 to other content creation stations 14<sup>1</sup>... 14n. An authoring Graphical User Interface (GUI) 31 interacts with a kernel library 32, compression/decompression library 33, and processor programs 34 including an XML interpreter 35, a content manager 36, and a multi threaded re-entrant data link library 37. The processor programs 34 interact with a script/batch tool 38. The kernel library includes a server side MVR authoring tool which takes an XML specification along with raw media data or compressed media data as input to create a corresponding MVR-XML file. The codec library provides compression and decompression for the MVR-XML file. The script/ batch tool 38 takes a template file prepared by an author and fills the template with actual data length provided the user to create the MVR-XML file. The service side content injection program 36 allows the user to add more information including non-media (business) to the MVR-XML file. The multi-threaded, re-entrant data link library 36 enables the authoring session manager 17 (see Fig. 1) to multiplex creators/users (not shown) linked through the network 19 to access the MVR files on the disk 14.

The authoring program 19 combines an XML text file and an MVR file as a composed MVR file available for execution on a multimedia player. The program 19 parses and renders XML instructions or tags contained within the XML text edited document. The instructions link the stored Rich Media assets as an application in the MVR file according to the textual specification prepared by a content creator.